

CLAIMS:

1. An improved structure of signal plug, comprising  
a line-connecting portion having two metallic end pieces separated by an insulation member, a front end of said line-connecting portion extends to form an insertion-connecting portion;  
an outer hard metallic receiving portion being inserted therein on the front end thereof with said line-connecting portion to form a plug main-part; and  
an external sleeve connected with said plug main-part to render said insertion-connecting portion exposed.
2. The improved structure of signal plug as in claim 1, wherein said metallic receiving portion is made by turning of lathe work into a cylinder of phosphor bronze, of which two ends has holes, said cylinder has on a rear cylindrical wall thereof lock holes and is excavated on an upper side thereof to form an opening; said line-connecting portion is made of high electric conductivity copper, of which a first end piece has a front portion in the form of a barrel with circling petal-like blades and has an insulation member enveloped inside of the root portion thereof, and from which a prong-like end piece extends out centrally thereof to be separated from said first end piece.
3. The improved structure of signal plug as in claim 1, wherein a front end of said metallic receiving portion has a shoulder, while a front end of said external sleeve has a radially reduced portion having a through hole, a rear end of said external sleeve has a thread for screw connecting with a fixing sleeve, so that said converter main-part is fixedly clamped in said external sleeve.
4. The improved structure of signal plug as in claim 2, wherein a front end of said metallic receiving portion has a shoulder, while a front end of said external sleeve has a radially reduced portion having a through hole, a rear end of said external sleeve has a thread for screw connecting with a fixing sleeve, so that said converter main-part is fixedly clamped in said external sleeve.
5. The improved structure of signal plug as in claim 1, wherein said plug main-part is placed in said external sleeve and connected thereto, said front portion with said circling blades of said line-connecting portion is deeply extended into said radially reduced portion only with a part of an upper edge thereof exposed.
6. The improved structure of signal plug as in claim 2, wherein said plug main-part is placed in said external sleeve and connected thereto, said front portion with said circling blades of said line-connecting portion is deeply extended into said radially reduced portion only with a part of an upper edge thereof exposed.
7. The improved structure of signal plug as in claim 3, wherein a surface of the front end of said external sleeve is molded as a polygonal shape to be easy for assembling and dismantling.
8. The improved structure of signal plug as in claim 4, wherein a surface of the front end of said external sleeve is molded as a polygonal shape to be easy for assembling and dismantling.
9. The improved structure of signal plug as in claim 2, wherein said plug main-part is a female main-part to connect with said external sleeve.